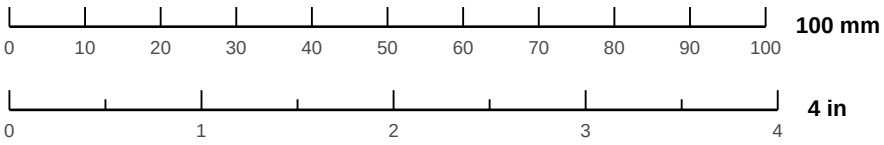
Data Matrix print size test sheet

Print at 100% ("Actual size"), never "Fit to page". Then measure the scale bars: if they are not exactly 100 mm and 4 in, your printer is scaling and every code below is the wrong size. Scan each code: it reads back as its own label, so you can tell which one your scanner read. Tick the boxes as you go.



1. Module size: which is the smallest your printer and scanner handle?

Same kind of data in every code. Module = one small square; quiet zone = 2 modules, as our generator uses by default.



X = 0.254 mm (10.0 mil)
16 x 16 code: 4.1 mm, 5.1 mm with quiet zone
2.0 dots at 203 dpi · 3.0 dots at 300 dpi
☐ Reads ☐ Does not read



X = 0.300 mm (11.8 mil)
16 x 16 code: 4.8 mm, 6.0 mm with quiet zone
2.4 dots at 203 dpi · 3.5 dots at 300 dpi
☐ Reads ☐ Does not read



X = 0.381 mm (15.0 mil)
16 x 16 code: 6.1 mm, 7.6 mm with quiet zone
3.0 dots at 203 dpi · 4.5 dots at 300 dpi
☐ Reads ☐ Does not read



X = 0.500 mm (19.7 mil)
16 x 16 code: 8.0 mm, 10.0 mm with quiet zone
4.0 dots at 203 dpi · 5.9 dots at 300 dpi
☐ Reads ☐ Does not read



X = 0.750 mm (29.5 mil)
16 x 16 code: 12.0 mm, 15.0 mm with quiet zone
6.0 dots at 203 dpi · 8.9 dots at 300 dpi
☐ Reads ☐ Does not read



X = 1.000 mm (39.4 mil)
16 x 16 code: 16.0 mm, 20.0 mm with quiet zone
8.0 dots at 203 dpi · 11.8 dots at 300 dpi
☐ Reads ☐ Does not read

2. Quiet zone: how close can a border come?

Module 0.50 mm. A black frame is drawn 0, 1, 2 and 4 modules from each code. Standards ask for at least 1.



Frame touching
☐ Reads ☐ No



1 module (minimum)
☐ Reads ☐ No



2 modules (our default)
☐ Reads ☐ No



4 modules
☐ Reads ☐ No

3. Your result

Printer and resolution _____

Labels or paper _____

Scanner or app _____

Smallest module that read _____

Module sizes are exact in this PDF. Thermal printers round each module to whole printer dots, so codes can print a little larger or smaller.
A good result shows what your printer, labels and scanner can do today; it is not an ISO/IEC 15415 print-quality grade.
datamatrixcodegenerator.com/guides/data-matrix-quiet-zone/ · A4 · engine v2.0.1